

Robotics Service Bus - Enhancement #2530

Enhancement # 2195 (Resolved): Implement Spread connection pooling

Spread connection pooling for listeners [Common Lisp]

04/15/2016 11:36 AM - J. Moringen

Status:	Resolved	Start date:	04/15/2016
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	Common Lisp	Estimated time:	0.00 hour
Target version:	rsb-0.18		
Description			

Associated revisions

Revision 8a84583f - 10/02/2018 06:46 PM - J. Moringen

Connectors use bus in src/transport/spread/*connector.lisp

fixes #2199 fixes #2530

- src/transport/spread/connector.lisp (connector::bus): renamed slot connection -> bus
(connector): added age-limit option
(initialize-instance :before connector): accept keyword parameter bus instead of connection
(shared-initialize :after connector t): likewise; accept keyword parameters tcpnodelay and age-limit; store in configuration
(notify connector eql t eql :attached): use `ensure-access`
(notify connector eql t eql :attached): notify bus
(notify connector scope t): new method; adapter
- src/transport/spread/in-connector.lisp (in-connector): removed superclasses `broadcast-processes` and `assembly-mixin`
(notify in-connector scope eql :attached): subscribe to scope via bus
(notify in-connector scope eql :detached): unsubscribe from scope via bus
(notify in-connector eql t eql :detached): removed; no longer needed
(receive-notification in-connector t): likewise
(notification->event in-connector bus-notification t): accept `bus-notification` instead of `wire-notification` and thus do not deserialize the notification
- src/transport/spread/in-pull-connector.lisp (header): updated copyright
(in-pull-connector::queue): new slot; stores queued events
(notify in-pull-connector scope eql :attached): removed; no longer needed
(notify in-pull-connector scope eql :detached): likewise
(handle in-pull-connector bus-notification): new method; push onto queue
(receive-notification in-pull-connector eql nil): new method; try to pop from queue
(receive-notification in-pull-connector eql t): new method; pop from queue

- src/transport/spread/in-push-connector.lisp (in-push-connector):
 - removed superclasses `threaded-message-receiver-mixin' and `error-handling-push-receiver-mixin'; added superclasses `broadcast-processor' and `error-policy-mixin'
 - (in-push-connector::state): removed; no longer needed
 - (apply-error-policy in-push-connector connection-unexpectedly-closed): removed; no longer needed
 - (apply-error-policy in-push-connector spread-error): likewise
 - (notify in-push-connector eql t eql :attached): likewise
 - (notify in-push-connector eql t eql :detached): likewise
 - (handle in-connector bus-notification): new method; convert to event and dispatch
- src/transport/spread/out-connector.lisp
 - (event->notification out-connector event): pass notification to bus instead of sending
 - (event->notification out-connector outgoing-notification): removed; handled by `message-sender'
 - (send-notification out-connector destined-wire-notification): likewise
- src/transport/spread/assembly-mixin.lisp: removed; no longer needed
- test/transport/spread/connectors.lisp (header): updated copyright
 - (test case in-connector-root::notification->event): adapted to changes
 - (test case define-connector-suite): adapted comment
- rsb-transport-spread.asd (system rsb-transport-spread): removed file src/transport/spread/assembly-mixin.lisp

Revision 6ec3670f - 10/02/2018 06:55 PM - J. Moringen

Mention full Spread connection sharing in Common Lisp in news.rst

refs #2199 refs #2530

- news.rst (RSB 0.18): mention full Spread connection sharing in Common Lisp implementation

History

#1 - 05/01/2016 04:46 PM - J. Moringen

- Status changed from New to In Progress
- % Done changed from 0 to 70

#2 - 06/08/2016 09:01 PM - J. Moringen

- Target version changed from rsb-0.14 to rsb-0.15

#3 - 11/07/2016 10:38 AM - J. Moringen

- Target version changed from rsb-0.15 to rsb-0.16

#4 - 04/10/2017 09:01 PM - J. Moringen

- Target version changed from rsb-0.16 to rsb-0.17

#5 - 09/28/2017 08:54 PM - J. Moringen

- Target version changed from rsb-0.17 to rsb-0.18

#6 - 10/02/2018 06:55 PM - J. Moringen

- *Status changed from In Progress to Resolved*

- *% Done changed from 70 to 100*

Applied in changeset commit:rsb-cl|8a84583f1a2b9e2e39af7e3c52d84f07cd8df6a5.